CLAIMS

What is claimed is:

1. A refrigerator having a main body with at least one storage compartment and a component compartment having a rear opening, the refrigerator comprising:

a cover to cover the opening of the component compartment, the cover provided with air inlets and air outlets which are spaced apart from each other;

a compressor and a condenser provided in the component compartment respectively corresponding to the air inlets and the air outlets; and

a fan provided between the condenser and the air outlets, to expel air within the component compartment through the air outlets.

2. The refrigerator according to claim 1, further comprising a plurality of air guiding parts provided at the air outlets.

3. The refrigerator according to claim 2, wherein the air guiding parts are sloped upward.

4. The refrigerator according to claim 1, wherein the fan comprises:

an impeller to move the air;

a fan motor to drive the impeller; and

a casing provided between the impeller and the fan motor;

wherein the casing hermetically contacts a surrounding area of the air outlets of the cover so that all of the air moving through the fan is expelled through the air outlets.

5. The refrigerator according to claim 2, wherein the fan comprises:

an impeller to move the air;

a fan motor to drive the impeller; and

a casing provided between the impeller and the fan motor;

wherein the casing hermetically contacts a surrounding area of the air outlets of the cover so that all of the air moving through the fan is expelled through the air outlets.

6. The refrigerator according to claim 4, wherein the casing comprises:

a fan accommodating part to accommodate the impeller, and having air through holes to allow air surrounding the condenser to be absorbed;

an engaging bracket to couple the casing to the cover of the component compartment and the fan motor; and

a sealing part provided at an end of the accommodating part to form a sealed space by hermetically contacting the surrounding area of the air outlets, so that all of the air moving through the fan is expelled through the air outlets.

7. The refrigerator according to claim 5, wherein the casing comprises:

a fan accommodating part to accommodate the impeller, and having air through holes to allow air surrounding the condenser to be absorbed;

an engaging bracket to couple the casing to the cover of the component compartment and the fan motor; and

a sealing part provided at an end of the accommodating part to form a sealed space by hermetically contacting the surrounding area of the air outlets, so that all of the air moving through the fan is expelled through the air outlets.

8. A refrigerator having a main body with at least one storage compartment and a component compartment, the refrigerator comprising:

a cover to cover an opening of the component compartment;

air inlets provided in the cover;

air outlets provided in the cover; and

a fan to expel air from the component compartment;

wherein the fan hermetically contacts a surrounding area of the air outlets so that all of the air moving through the fan is expelled through the air outlets.

9. The refrigerator according to claim 8, wherein the fan comprises:

an impeller to move the air;

a fan motor to drive the impeller; and

a casing provided between the impeller and the fan motor;

wherein the casing hermetically contacts a surrounding area of the air outlets of the cover so that all of the air moving through the fan is expelled through the air outlets.

10. The refrigerator according to claim 9, wherein the casing comprises:

a fan accommodating part to accommodate the impeller, and having air through holes to allow air surrounding the condenser to be absorbed;

an engaging bracket to couple the casing to the cover of the component compartment and the fan motor; and

a sealing part provided at an end of the accommodation part to form a sealed space by hermetically contacting the surrounding area of the air outlets, so that all of the air moving through the fan is expelled through the air outlets.

11. The refrigerator according to claim 8, further comprising a plurality of air guiding parts provided at the air outlets.

12. The refrigerator according to claim 11, wherein the air guiding parts are sloped upward.

13. The refrigerator according to claim 11, wherein the air guiding parts guide the expelled air away from the air inlets.

14. A refrigerator having a main body with at least one storage compartment and a component compartment, the refrigerator comprising:

a cover to cover an opening of the component compartment;

air inlets provided in the cover;

air outlets provided in the cover; and

a fan to draw air into the component compartment;

wherein the fan hermetically contacts a surrounding area of the air inlets so that all of the air moving through the fan is drawn in through the air inlets.

15. A built-in type refrigerator accommodated by kitchen furniture, comprising:

air inlets to the refrigerator provided in a lower part of the kitchen furniture;

air outlets from the refrigerator provided in an upper part of the kitchen furniture; and

a fan to expel air from the refrigerator;

wherein the fan hermetically contacts a surrounding area of the air outlets so that all of the air moving through the fan is expelled through the air outlets.